



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

THE JOHNS HOPKINS PRESS

BALTIMORE

AMERICAN JOURNAL OF INSANITY.

Board of Editors. Quarterly. 8vo. Volume LXXI in progress. \$5 per volume (foreign postage 50 cents).

AMERICAN JOURNAL OF MATHEMATICS.

FRANK MORLEY, Editor. Quarterly. 4to. Volume XXXVI in progress. \$5 per volume (foreign postage 50 cents).

AMERICAN JOURNAL OF PHILOLOGY.

B. L. GILDERSLEEVE, Editor. Quarterly. 8vo. Volume XXXV in progress. \$3 per volume (foreign postage 50 cents).

BEITRÄGE ZUR ASSYRIOLOGIE, ETC.

PAUL HAUPT AND FRIEDRICH DELITZSCH, Editors. 8vo. Volume X in progress.

ELLIOTT MONOGRAPHS IN THE ROMANCE LANGUAGES AND LITERATURES.

Edited by EDWARD C. ARMSTRONG. 8vo. \$3 per year.

HESPERIA.

HERMANN COLLITZ and JAMES W. BRIGHT, Editors. 8vo.

JOHNS HOPKINS HOSPITAL BULLETIN.

Monthly. 4to. Volume XXV in progress. \$2 per year (foreign postage 50 cents).

JOHNS HOPKINS HOSPITAL REPORTS.

8vo. Volume XVII in progress. \$5 per volume (foreign postage 50 cents).

JOHNS HOPKINS UNIVERSITY CIRCULAR, including the President's Report, Annual Register, and Medical Department Catalogue.

T. R. BALL, Editor. Monthly (except August and September). 8vo. \$1 per year.

JOHNS HOPKINS UNIVERSITY STUDIES IN HISTORICAL AND POLITICAL SCIENCE.

8vo. Volume XXXII in progress. \$3 per volume.

MEMOIRS FROM THE BIOLOGICAL LABORATORY.

Five volumes have been issued.

MODERN LANGUAGE NOTES.

Edited by E. C. ARMSTRONG, J. W. BRIGHT, B. J. VOS, and C. C. MARDEN (managing editor). 4to. Volume XXIX in progress. \$2 per volume (foreign postage 25 cents).

REPORTS OF MARYLAND GEOLOGICAL SURVEY.

WILLIAM B. CLARK, Editor.

REPRINT OF ECONOMIC TRACTS.

J. H. HOLLANDER, Editor. 8vo. Third series in progress. \$2.00.

TERRESTRIAL MAGNETISM AND ATMOSPHERIC ELECTRICITY.

L. A. BAUER, Editor. Quarterly. 8vo. Volume XIX in progress. \$3 per volume (foreign postage 25 cents).

Subscriptions and remittances should be sent to The Johns Hopkins Press, Baltimore, Maryland.

CONTENTS.

	PAGE
On a Certain Completely Integrable System of Linear Partial Differential Equations. By E. J. WILCZYNSKI,	231
On the Connection of an Abstract Set, with Applications to the Theory of Functions of a General Variable. By ARTHUR D. PITCHER, . . .	261
On Series of Iterated Linear Fractional Functions. By R. D. CARMICHAEL,	267
The Derivative of a Function of a Surface. By CHARLES A. FISCHER,	289
Some Invariants and Covariants of Ternary Collineations. By HENRY BAYARD PHILLIPS,	307
A Geometrical Application of the Theory of the Binary Quintic. By FLORENCE P. LEWIS,	333

The American Journal of Mathematics will appear four times yearly.

The subscription price of the Journal is \$5.00 a volume (foreign postage, 50 cents); single numbers, \$1.50. A few complete sets of the Journal remain on sale.

It is requested that all editorial communications be addressed to the Editor of the American Journal of Mathematics, and all business or financial communications to The Johns Hopkins Press, Baltimore, Md., U. S. A.
